

FIG. 1

1a,1b

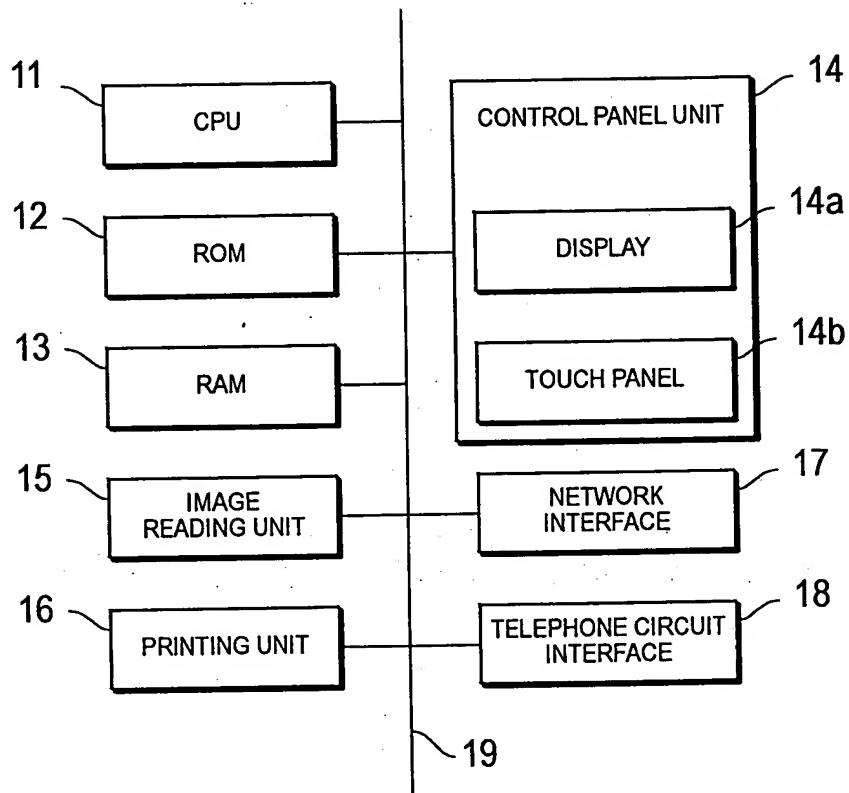


FIG. 2

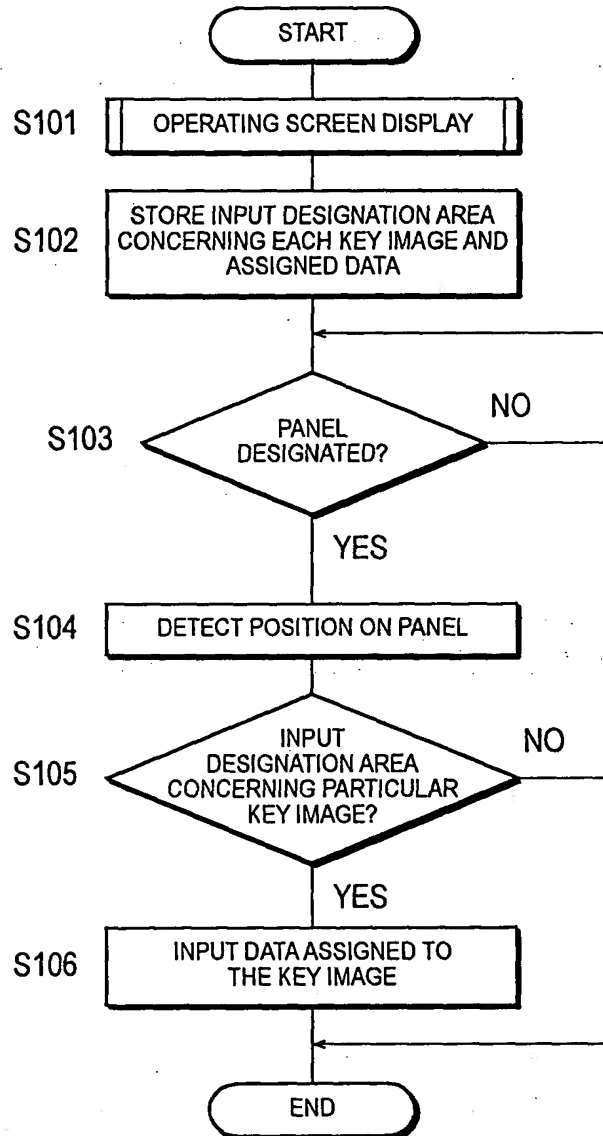


FIG. 3

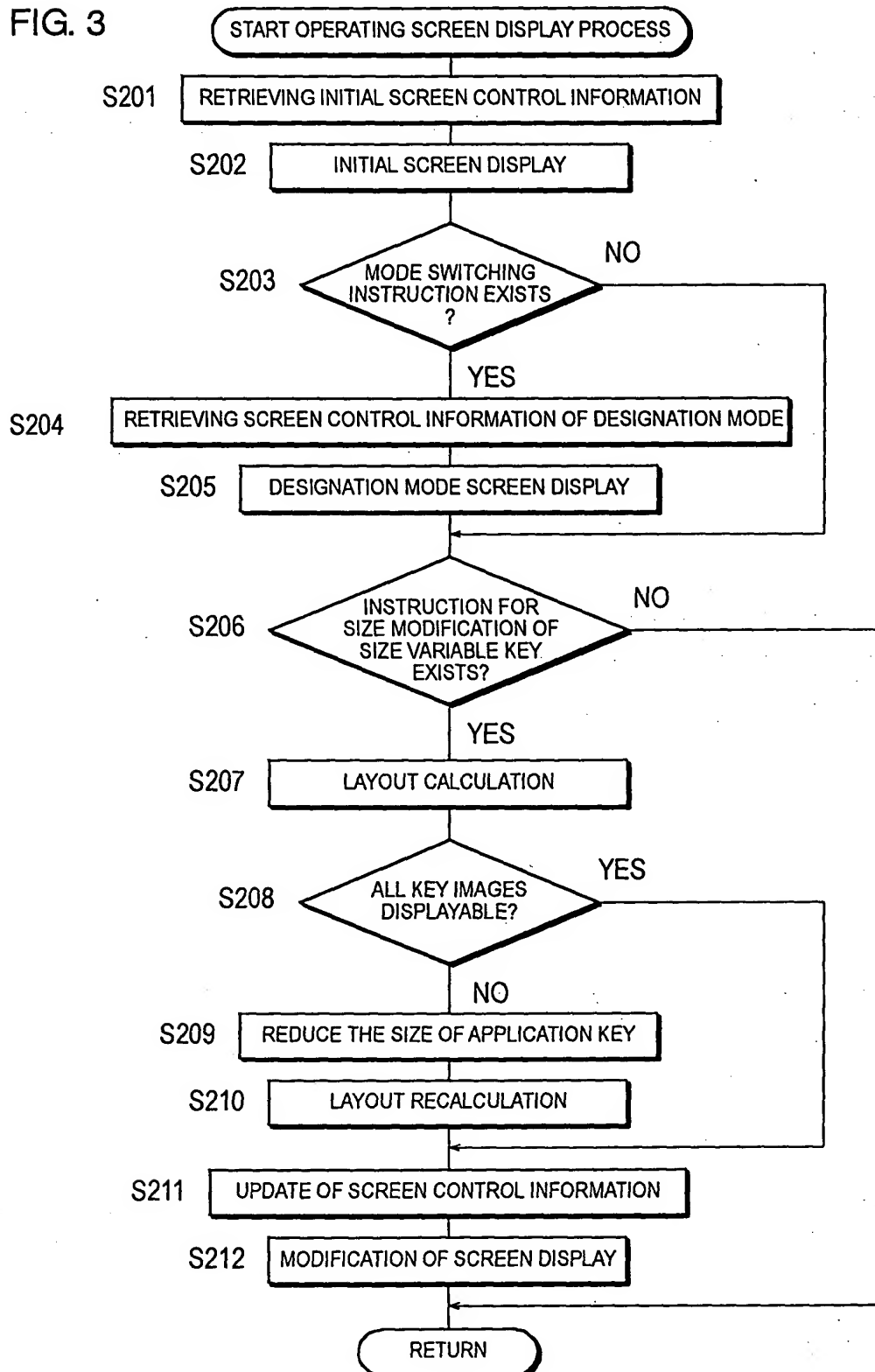


FIG. 4 21

SCREEN MODE: COPY MODE						
KEY IMAGE GROUP	KEY IMAGE CLASSIFICATION	CONSTITUTIONAL KEY IMAGE	KEY IMAGE DATA	SIZE	STATUS	ATTRIBUTE
START KEY	SIZE VARIABLE KEY	START	A <sub>1</sub>	100%	POSITION (X <sub>np</sub> , Y <sub>np</sub> ) (X <sub>np1</sub> , Y <sub>np1</sub> )	VARIABLE SIZE, VARIABLE POSITION
MODE SWITCHING KEY	BASIC KEY	COPY	D <sub>1</sub>	100%	(X <sub>np1</sub> , Y <sub>np1</sub> ) (X <sub>np2</sub> , Y <sub>np2</sub> )	FIXED SIZE, FIXED POSITION
		FAX	D <sub>2</sub>		(X <sub>np2</sub> , Y <sub>np2</sub> ) (X <sub>np3</sub> , Y <sub>np3</sub> )	
		SCAN	D <sub>3</sub>		(X <sub>np3</sub> , Y <sub>np3</sub> ) (X <sub>np4</sub> , Y <sub>np4</sub> )	
		CONTROL	D <sub>4</sub>		(X <sub>np4</sub> , Y <sub>np4</sub> ) (X <sub>np5</sub> , Y <sub>np5</sub> )	
SIZE MODIFYING KEY	BASIC KEY	↑	C <sub>1</sub>	100%	(X <sub>nc1</sub> , Y <sub>nc1</sub> ) (X <sub>nc2</sub> , Y <sub>nc2</sub> )	FIXED SIZE, VARIABLE POSITION
		↓	C <sub>2</sub>		(X <sub>nc2</sub> , Y <sub>nc2</sub> ) (X <sub>nc3</sub> , Y <sub>nc3</sub> )	
TEN KEY	BASIC KEY	1	B <sub>1</sub>	100%	(X <sub>nb1</sub> , Y <sub>nb1</sub> ) (X <sub>nb2</sub> , Y <sub>nb2</sub> )	FIXED SIZE, VARIABLE POSITION
		:	:		:	
		0	B <sub>10</sub>		(X <sub>nb10</sub> , Y <sub>nb10</sub> ) (X <sub>nb11</sub> , Y <sub>nb11</sub> )	
		.	B <sub>11</sub>		(X <sub>nb11</sub> , Y <sub>nb11</sub> ) (X <sub>nb12</sub> , Y <sub>nb12</sub> )	
MAGNIFICATION KEY	APPLICATION KEY	1.41	F <sub>1</sub>	100%	(X <sub>nf1</sub> , Y <sub>nf1</sub> ) (X <sub>nf2</sub> , Y <sub>nf2</sub> )	REDUCIBLE SIZE, VARIABLE POSITION
		1.21	F <sub>2</sub>		(X <sub>nf2</sub> , Y <sub>nf2</sub> ) (X <sub>nf3</sub> , Y <sub>nf3</sub> )	
		1.00	F <sub>3</sub>		(X <sub>nf3</sub> , Y <sub>nf3</sub> ) (X <sub>nf4</sub> , Y <sub>nf4</sub> )	
		0.80	F <sub>4</sub>		(X <sub>nf4</sub> , Y <sub>nf4</sub> ) (X <sub>nf5</sub> , Y <sub>nf5</sub> )	
		0.71	F <sub>5</sub>		(X <sub>nf5</sub> , Y <sub>nf5</sub> ) (X <sub>nf6</sub> , Y <sub>nf6</sub> )	
		A3	E <sub>1</sub>		(X <sub>ne1</sub> , Y <sub>ne1</sub> ) (X <sub>ne2</sub> , Y <sub>ne2</sub> )	
PAPER SIZE KEY	APPLICATION KEY	B4	E <sub>2</sub>	100%	(X <sub>ne2</sub> , Y <sub>ne2</sub> ) (X <sub>ne3</sub> , Y <sub>ne3</sub> )	REDUCIBLE SIZE, VARIABLE POSITION
		A4	E <sub>3</sub>		(X <sub>ne3</sub> , Y <sub>ne3</sub> ) (X <sub>ne4</sub> , Y <sub>ne4</sub> )	
		B5	E <sub>4</sub>		(X <sub>ne4</sub> , Y <sub>ne4</sub> ) (X <sub>ne5</sub> , Y <sub>ne5</sub> )	
		A5	E <sub>5</sub>		(X <sub>ne5</sub> , Y <sub>ne5</sub> ) (X <sub>ne6</sub> , Y <sub>ne6</sub> )	
MESSAGE DISPLAY AREA	—	—	G <sub>1</sub>	100%	(X <sub>ng1</sub> , Y <sub>ng1</sub> ) (X <sub>ng2</sub> , Y <sub>ng2</sub> )	FIXED SIZE, FIXED POSITION

FIG. 5

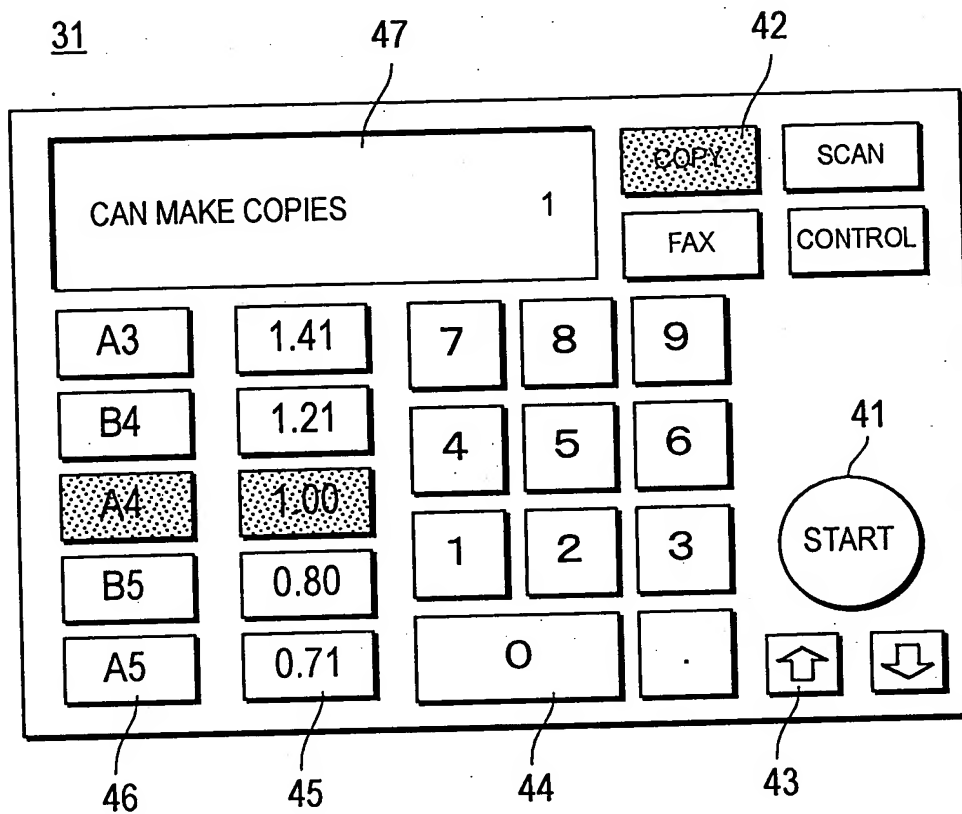


FIG. 6

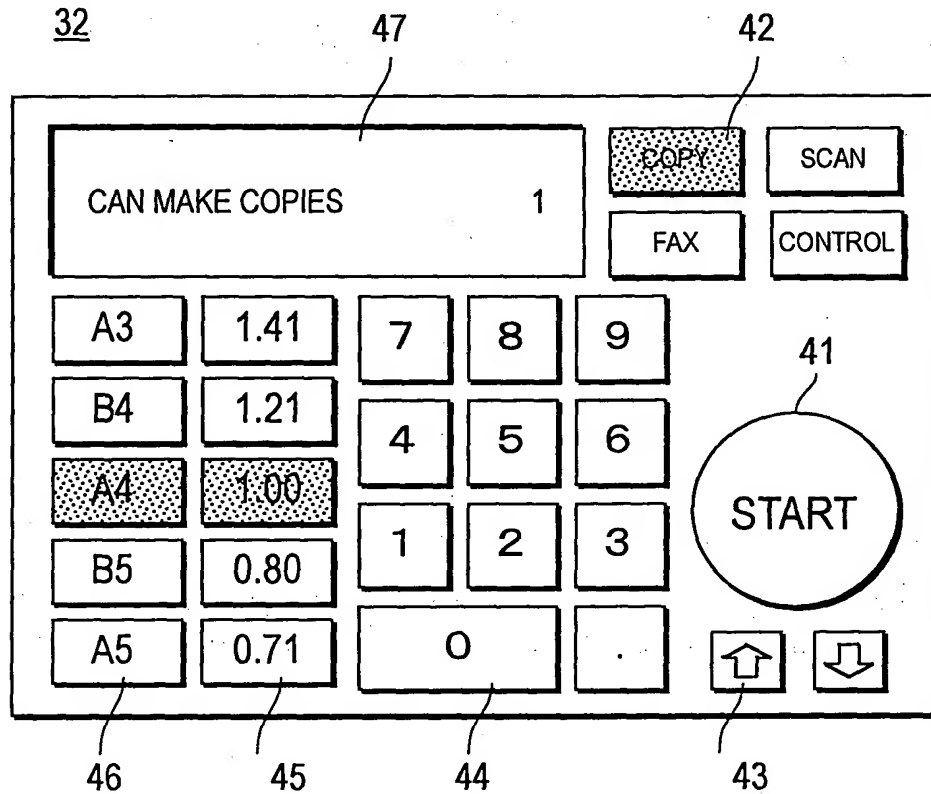


FIG. 7 22

SCREEN MODE: COPY MODE						
KEY IMAGE GROUP	KEY IMAGE CLASSIFICATION	CONSTITUTIONAL KEY IMAGE	KEY IMAGE DATA	SIZE	STATUS	ATTRIBUTE
START KEY	SIZE VARIABLE KEY	START	A <sub>1</sub>	200%	POSITION ( $X_m, Y_m$ ) ( $X_n, Y_n$ ) ( $X_{m1}, Y_{m1}$ ) ( $X_{n1}, Y_{n1}$ )	VARIABLE SIZE, VARIABLE POSITION
		COPY	D <sub>1</sub>		( $X_{m1}, Y_{m1}$ ) ( $X_{n1}, Y_{n1}$ )	
		FAX	D <sub>2</sub>	100%	( $X_{m2}, Y_{m2}$ ) ( $X_{n2}, Y_{n2}$ )	
		SCAN	D <sub>3</sub>		( $X_{m3}, Y_{m3}$ ) ( $X_{n3}, Y_{n3}$ )	
		CONTROL	D <sub>4</sub>		( $X_{m4}, Y_{m4}$ ) ( $X_{n4}, Y_{n4}$ )	
MODE SWITCHING KEY	BASIC KEY					FIXED SIZE, FIXED POSITION
SIZE MODIFICATION KEY	BASIC KEY	↑	C <sub>1</sub>	100%	( $X_{m1}, Y_{m1}$ ) ( $X_{n1}, Y_{n1}$ )	FIXED SIZE, VARIABLE POSITION
		↓	C <sub>2</sub>		( $X_{m2}, Y_{m2}$ ) ( $X_{n2}, Y_{n2}$ )	
TEN KEY	BASIC KEY	1	B <sub>1</sub>		( $X_{m1}, Y_{m1}$ ) ( $X_{n1}, Y_{n1}$ )	
		:	:	100%	:	FIXED SIZE, VARIABLE POSITION
		:	:		:	
		0	B <sub>10</sub>		( $X_{m10}, Y_{m10}$ ) ( $X_{n10}, Y_{n10}$ )	
		.	B <sub>11</sub>		( $X_{m11}, Y_{m11}$ ) ( $X_{n11}, Y_{n11}$ )	
MAGNIFICATION KEY	APPLICATION KEY	1.41	F <sub>1</sub>		( $X_{m1}, Y_{m1}$ ) ( $X_{n1}, Y_{n1}$ )	
		1.21	F <sub>2</sub>		( $X_{m2}, Y_{m2}$ ) ( $X_{n2}, Y_{n2}$ )	
		1.00	F <sub>3</sub>	50%	( $X_{m3}, Y_{m3}$ ) ( $X_{n3}, Y_{n3}$ )	SIZE REDUCIBLE, VARIABLE POSITION
		0.80	F <sub>4</sub>		( $X_{m4}, Y_{m4}$ ) ( $X_{n4}, Y_{n4}$ )	
		0.71	F <sub>5</sub>		( $X_{m5}, Y_{m5}$ ) ( $X_{n5}, Y_{n5}$ )	
PAPER SIZE KEY	APPLICATION KEY	A <sub>3</sub>	E <sub>1</sub>		( $X_{m1}, Y_{m1}$ ) ( $X_{n1}, Y_{n1}$ )	
		B <sub>4</sub>	E <sub>2</sub>		( $X_{m2}, Y_{m2}$ ) ( $X_{n2}, Y_{n2}$ )	
		A <sub>4</sub>	E <sub>3</sub>	50%	( $X_{m3}, Y_{m3}$ ) ( $X_{n3}, Y_{n3}$ )	SIZE REDUCIBLE, VARIABLE POSITION
		B <sub>5</sub>	E <sub>4</sub>		( $X_{m4}, Y_{m4}$ ) ( $X_{n4}, Y_{n4}$ )	
		A <sub>5</sub>	E <sub>5</sub>		( $X_{m5}, Y_{m5}$ ) ( $X_{n5}, Y_{n5}$ )	
MESSAGE DISPLAY AREA	—	—	G <sub>1</sub>	100%	( $X_{m1}, Y_{m1}$ ) ( $X_{n1}, Y_{n1}$ )	FIXED SIZE, FIXED POSITION

FIG. 8

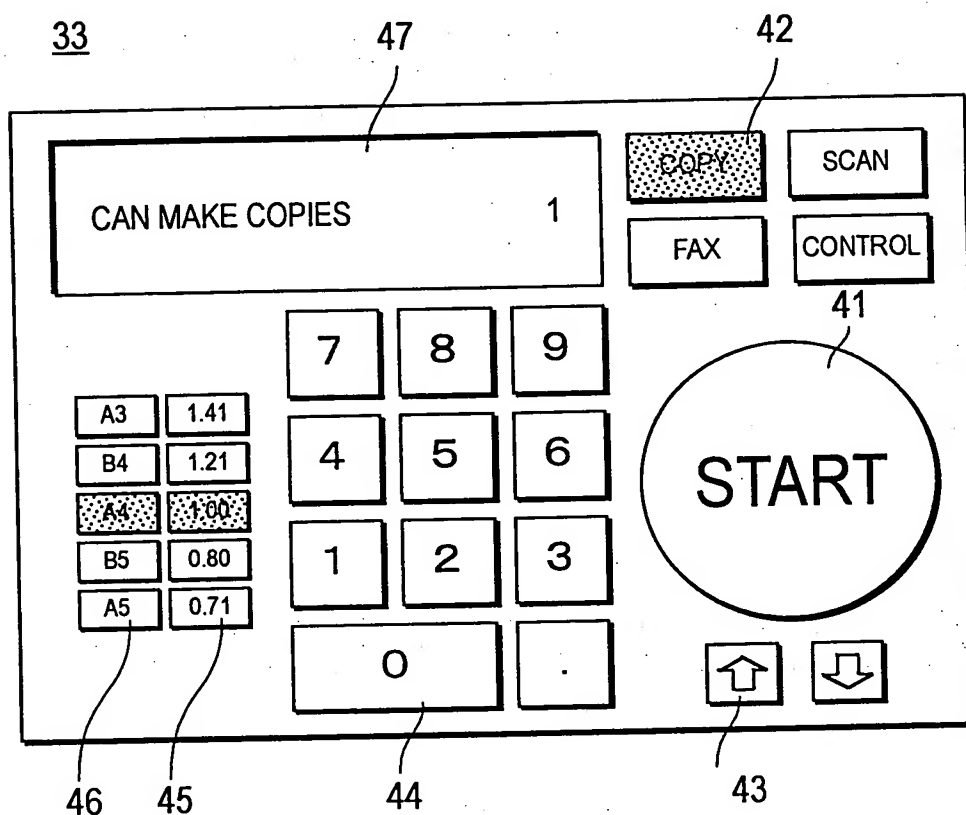




FIG. 9

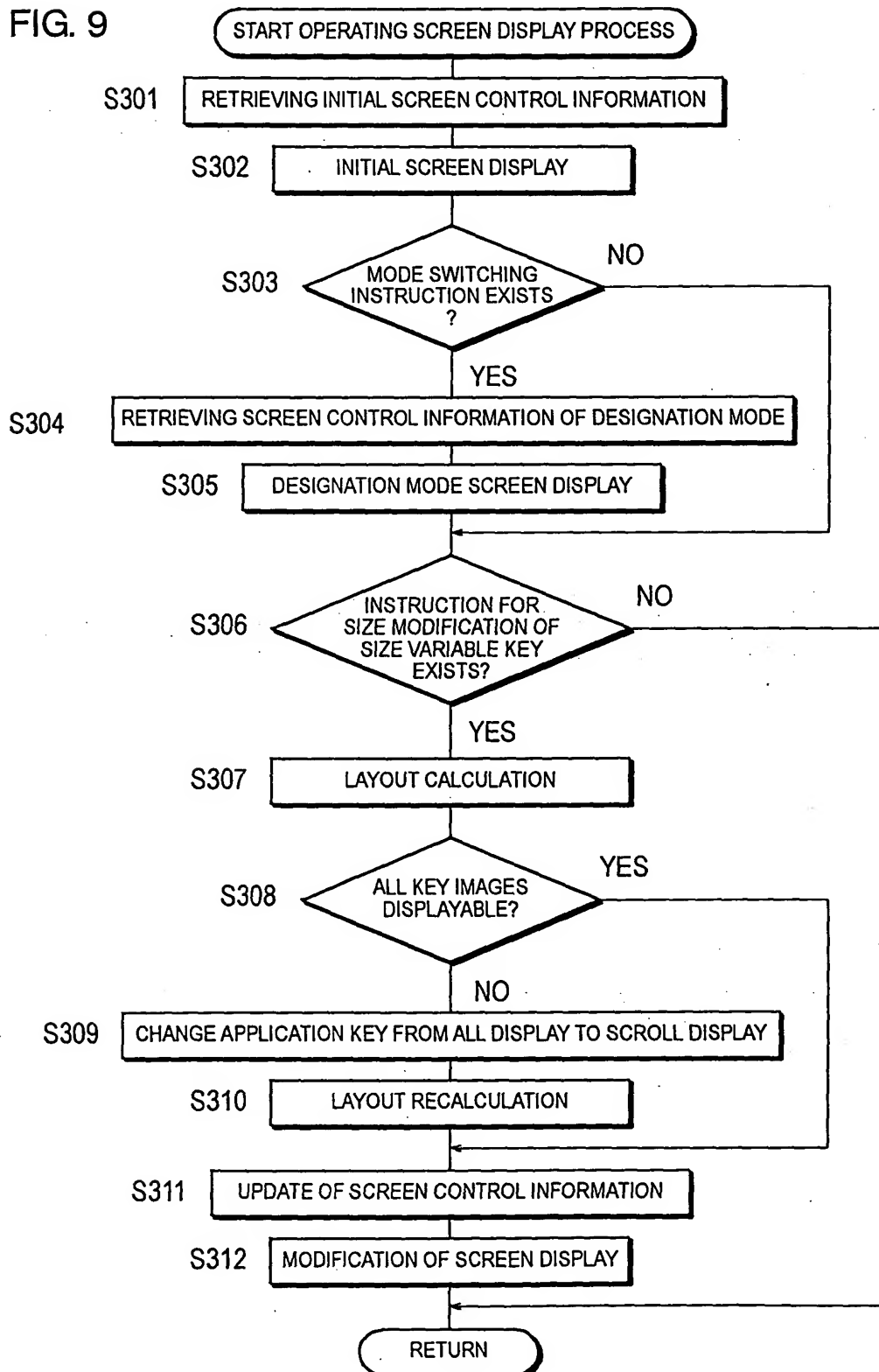


FIG. 10 23

SCREEN MODE: COPY MODE						
KEY IMAGE GROUP	KEY IMAGE CLASSIFICATION	CONSTITUTIONAL KEY IMAGE	KEY IMAGE DATA	SIZE	STATUS	ATTRIBUTE
START KEY	VARIABLE SIZE KEY	START	A <sub>1</sub>	100%	POSITION (X <sub>m1</sub> , Y <sub>m1</sub> ) (X <sub>n1</sub> , Y <sub>n1</sub> )	VARIABLE SIZE, VARIABLE POSITION
MODE SWITCHING KEY	BASIC KEY	COPY	D <sub>1</sub>	100%	(X <sub>m1A1</sub> , Y <sub>m1A1</sub> ) (X <sub>n1A1</sub> , Y <sub>n1A1</sub> )	FIXED SIZE, FIXED POSITION
		FAX	D <sub>2</sub>		(X <sub>m1D1</sub> , Y <sub>m1D1</sub> ) (X <sub>n1D1</sub> , Y <sub>n1D1</sub> )	
		SCAN	D <sub>3</sub>		(X <sub>m1D2</sub> , Y <sub>m1D2</sub> ) (X <sub>n1D2</sub> , Y <sub>n1D2</sub> )	
		CONTROL	D <sub>4</sub>		(X <sub>m1D3</sub> , Y <sub>m1D3</sub> ) (X <sub>n1D3</sub> , Y <sub>n1D3</sub> )	
SIZE MODIFICATION KEY	BASIC KEY	↑	C <sub>1</sub>	100%	(X <sub>m1C1</sub> , Y <sub>m1C1</sub> ) (X <sub>n1C1</sub> , Y <sub>n1C1</sub> )	FIXED SIZE, VARIABLE POSITION
		↓	C <sub>2</sub>		(X <sub>m1C2</sub> , Y <sub>m1C2</sub> ) (X <sub>n1C2</sub> , Y <sub>n1C2</sub> )	
TEN KEY	BASIC KEY	1	B <sub>1</sub>	100%	(X <sub>m1B1</sub> , Y <sub>m1B1</sub> ) (X <sub>n1B1</sub> , Y <sub>n1B1</sub> )	FIXED SIZE, VARIABLE POSITION
		:	:		:	
		0	B <sub>10</sub>		(X <sub>m1B10</sub> , Y <sub>m1B10</sub> ) (X <sub>n1B10</sub> , Y <sub>n1B10</sub> )	
		.	B <sub>11</sub>		(X <sub>m1B11</sub> , Y <sub>m1B11</sub> ) (X <sub>n1B11</sub> , Y <sub>n1B11</sub> )	
MAGNIFICATION KEY	APPLICATION KEY	1.41	F <sub>1</sub>	100%	(X <sub>m1F1</sub> , Y <sub>m1F1</sub> ) (X <sub>n1F1</sub> , Y <sub>n1F1</sub> )	FIXED SIZE, VARIABLE POSITION
		1.21	F <sub>2</sub>		(X <sub>m1F2</sub> , Y <sub>m1F2</sub> ) (X <sub>n1F2</sub> , Y <sub>n1F2</sub> )	
		1.00	F <sub>3</sub>		(X <sub>m1F3</sub> , Y <sub>m1F3</sub> ) (X <sub>n1F3</sub> , Y <sub>n1F3</sub> )	
		0.80	F <sub>4</sub>		(X <sub>m1F4</sub> , Y <sub>m1F4</sub> ) (X <sub>n1F4</sub> , Y <sub>n1F4</sub> )	
		0.71	F <sub>5</sub>		(X <sub>m1F5</sub> , Y <sub>m1F5</sub> ) (X <sub>n1F5</sub> , Y <sub>n1F5</sub> )	
		1.41 - 0.71 SCROLL	F <sub>6</sub>		NO DISPLAY	
PAPER SIZE KEY	APPLICATION KEY	A3	E <sub>1</sub>	100%	(X <sub>m1E1</sub> , Y <sub>m1E1</sub> ) (X <sub>n1E1</sub> , Y <sub>n1E1</sub> )	FIXED SIZE, VARIABLE POSITION
		B4	E <sub>2</sub>		(X <sub>m1E2</sub> , Y <sub>m1E2</sub> ) (X <sub>n1E2</sub> , Y <sub>n1E2</sub> )	
		A4	E <sub>3</sub>		(X <sub>m1E3</sub> , Y <sub>m1E3</sub> ) (X <sub>n1E3</sub> , Y <sub>n1E3</sub> )	
		B5	E <sub>4</sub>		(X <sub>m1E4</sub> , Y <sub>m1E4</sub> ) (X <sub>n1E4</sub> , Y <sub>n1E4</sub> )	
		A5	E <sub>5</sub>		(X <sub>m1E5</sub> , Y <sub>m1E5</sub> ) (X <sub>n1E5</sub> , Y <sub>n1E5</sub> )	
		A2 - A5 SCROLL	E <sub>6</sub>		NO DISPLAY	
MESSAGE DISPLAY AREA	—	—	G <sub>1</sub>	100%	(X <sub>m1G1</sub> , Y <sub>m1G1</sub> ) (X <sub>n1G1</sub> , Y <sub>n1G1</sub> )	FIXED SIZE, FIXED POSITION

FIG. 11

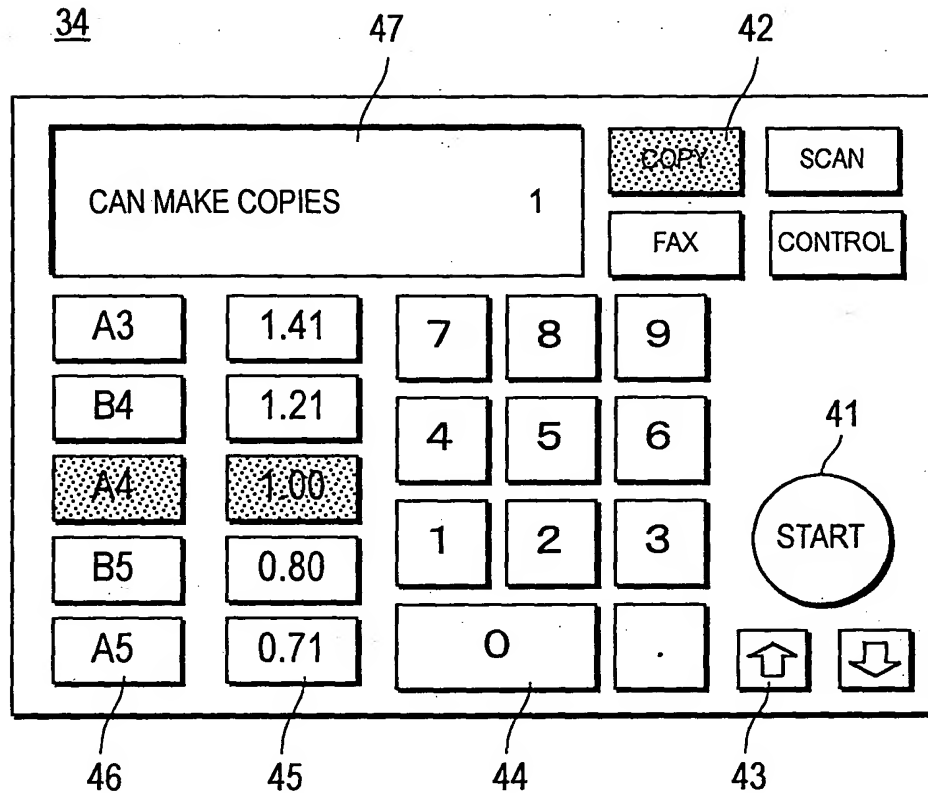


FIG. 12 24

SCREEN MODE: COPY MODE						
KEY IMAGE GROUP	KEY IMAGE CLASSIFICATION	CONSTITUTIONAL KEY IMAGE	KEY IMAGE DATA	SIZE	STATUS	ATTRIBUTE
START KEY	VARIABLE SIZE KEY	START	A <sub>1</sub>	200%	POSITION (X <sub>ma1</sub> , Y <sub>ma1</sub> ) (X <sub>nd1</sub> , Y <sub>nd1</sub> ) (X <sub>ma1</sub> , Y <sub>ma1</sub> ) (X <sub>nd1</sub> , Y <sub>nd1</sub> )	VARIABLE SIZE, VARIABLE POSITION
MODE SWITCHING KEY	BASIC KEY	COPY	D <sub>1</sub>	100%	(X <sub>md1</sub> , Y <sub>md1</sub> ) (X <sub>nd1</sub> , Y <sub>nd1</sub> )	FIXED SIZE, FIXED POSITION
		FAX	D <sub>2</sub>		(X <sub>md2</sub> , Y <sub>md2</sub> ) (X <sub>nd2</sub> , Y <sub>nd2</sub> )	
		SCAN	D <sub>3</sub>		(X <sub>md3</sub> , Y <sub>md3</sub> ) (X <sub>nd3</sub> , Y <sub>nd3</sub> )	
		CONTROL	D <sub>4</sub>		(X <sub>md4</sub> , Y <sub>md4</sub> ) (X <sub>nd4</sub> , Y <sub>nd4</sub> )	
SIZE MODIFICATION KEY	BASIC KEY	↑	C <sub>1</sub>	100%	(X <sub>mc1</sub> , Y <sub>mc1</sub> ) (X <sub>nc1</sub> , Y <sub>nc1</sub> )	FIXED SIZE, VARIABLE POSITION
		↓	C <sub>2</sub>		(X <sub>mc2</sub> , Y <sub>mc2</sub> ) (X <sub>nc2</sub> , Y <sub>nc2</sub> )	
TEN KEY	BASIC KEY	1	B <sub>1</sub>	100%	(X <sub>mb1</sub> , Y <sub>mb1</sub> ) (X <sub>nb1</sub> , Y <sub>nb1</sub> )	FIXED SIZE, VARIABLE POSITION
		⋮	⋮		⋮	
		0	B <sub>10</sub>		(X <sub>mb10</sub> , Y <sub>mb10</sub> ) (X <sub>nb10</sub> , Y <sub>nb10</sub> )	
		.	B <sub>11</sub>		(X <sub>mb11</sub> , Y <sub>mb11</sub> ) (X <sub>nb11</sub> , Y <sub>nb11</sub> )	
MAGNIFICATION KEY	APPLICATION KEY	1.41	F <sub>1</sub>	NO DISPLAY	NO DISPLAY	FIXED SIZE, VARIABLE POSITION
		1.21	F <sub>2</sub>			
		1.00	F <sub>3</sub>			
		0.80	F <sub>4</sub>			
		0.71	F <sub>5</sub>			
		1.41 - 0.71 SCROLL	F <sub>6</sub>			
		A3	E <sub>1</sub>	100%	(X <sub>me6</sub> , Y <sub>me6</sub> ) (X <sub>ne6</sub> , Y <sub>ne6</sub> )	
PAPER SIZE KEY	APPLICATION KEY	B4	E <sub>2</sub>	NO DISPLAY	NO DISPLAY	FIXED SIZE, VARIABLE POSITION
		A4	E <sub>3</sub>			
		B5	E <sub>4</sub>			
		A5	E <sub>5</sub>			
		A2 - A5 SCROLL	E <sub>6</sub>	100%	(X <sub>me6</sub> , Y <sub>me6</sub> ) (X <sub>ne6</sub> , Y <sub>ne6</sub> )	
MESSAGE DISPLAY AREA	—	—	G <sub>1</sub>	100%	(X <sub>mg1</sub> , Y <sub>mg1</sub> ) (X <sub>ng1</sub> , Y <sub>ng1</sub> )	FIXED SIZE, FIXED POSITION

FIG. 13

